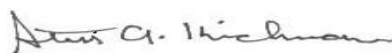




EDINA BUILDING SAFETY POLICY/INFORMATION <sub>1</sub>			
Connector/Fastener Corrosion Prevention <small>subject</small>		Manufacturers installation requirements <small>code reference</small>	
Inspections Department <small>department</small>		 <small>approval</small>	
SP-014-B <sub>2</sub> <small>policy number</small>	none <small>revision number</small>	3/5/2004 <small>effective date</small>	1 of 1 <small>page number</small>
1. All Building Safety sheets adopted by Fire Department and Inspections Department. 2. Sheet numbers with B suffix developed by Inspections Dept. Sheet numbers with F suffix developed by Fire Dept.			



**Purpose:** Provide information on compatibility of wood treatment chemicals with available connector and fastener materials and finishes

**Scope:** Limited to wood treatment chemicals and products listed in the table below

The Pressure-Treated Wood industry has been voluntarily transitioning away from the use of CCA-C treated wood. Some alternate wood preservatives are more corrosive to connectors, fasteners and flashing. Corrosion of connectors, fasteners and flashing may result in failure of structures resulting in property damage, injury or death.

The following table is based on recommendations of a major manufacturer of connectors and fasteners. The recommendations are based on tests performed on product finishes listed in the table by the manufacturer in compliance with American Wood-Preservers' Association Standard E12-94, "Standard Method of Determining Corrosion of Metal in Contact With Treated Wood".

Product Finishes	Wood Treatment								
		Untreated Wood	Chromated Copper Arsenate (CCA-C)	DOT Sodium Borate (SBX)	Alkaline Copper Quaternary (ACQ-C & ACQ-D Carbonate)	Copper Azole (CBA-A & CA-B)	DOT Sodium Borate with NaSiO <sub>2</sub>	Ammoniacal Copper Zinc Arsenate (ACZA)	Other Pressure Treated Wood
	G60 <sup>a</sup>	✓	<b>X Do Not Use With Treated Wood X</b>						
	G90 <sup>a</sup>	✓	✓	✓	X	X	X	X	X
	G185 <sup>a</sup>	✓	✓	✓	✓	✓	✓	X	X
	Post Hot-Dip Galvanized <sup>b</sup>	✓	✓	✓	✓	✓	✓	X	X
	Stainless Steel	✓	✓	✓	✓	✓	✓	✓	✓

<sup>a</sup> Represents ounces of zinc per square foot of base material. Example: G90 = .90oz/ft<sup>2</sup>.

<sup>b</sup> Post Hot-Dip Galvanized products are galvanized after the product is manufactured.

It is critical the installer match appropriate connectors and fasteners and the type of wood preservative during construction to avoid structural failure.